



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D2573**Job Sheet 211488****Part No:** D2573**Job Qty:** 8 pcs**Part Name:** Saddle, Aft, Out**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 7/17/20**Job Tracking No:****Due Date:** 8/14/20**Created By:** Marie Lajeunesse**Type:** SOLD**Description:****Note:** DWG REV F IPP: I As Per RevE 06-01-27 JLM**Ship Via:****Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time	Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier			
90	Machining - Issue SN	8 pcs	8/13/20		0.00	0.00	HAAS - 1		52	20/09/26
							HAAS - 2		9-89	
							HAAS - 3			
							HAAS - 4			
100	HAAS 4 Axis - B4B	8 pcs	8/13/20		1.00	12.90	HAAS - 1 - B4B			DJP 20-09-01
							HAAS - 2 - B4B			
							HAAS - 3 - B4B			
							HAAS - 4 - B4B			
110	Conventional Mill - 1 - B4B	8 pcs	8/13/20		0.00	1.33	Conventional Mill - 1 - B4B			DJP 20-09-01
							Conventional Mill - 2 - B4B			
120	QC 2	8 pcs	8/13/20		0.00	0.00	QC 2 - 1			
							QC 2 - 12			
							QC 2 - 14			
							QC 2 - 17			
							QC 2 - 19			
							QC 2 - 2			
							QC 2 - 20			
							QC 2 - 22			
							QC 2 - 23			
							QC 2 - 25			
							QC 2 - 32			
							QC 2 - 33			
							QC 2 - 35			
							QC 2 - 39			
							QC 2 - 4			
							QC 2 - 40			
							QC 2 - 44			
							QC 2 - 45			
							QC 2 - 48			
							QC 2 - 49			

**Container No:** S296132**Part:** D2573**Job No:** 211488**Serial No/Batch:** S296132**Revision:** F**Inspector:****Exp Date:****Instructions:** Various STC's**Date:** 08/26/20

Dart Aerospace Ltd.
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				QC 2 - 50	
				QC 2 - 51	
				QC 2 - 52	
				QC 2 - 57	
				QC 2 - 62	
				QC 2 - 63	
				QC 2 - 8	
				QC 2 - 66	
				QC 2 - 64	
				QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	DSP 20-09-01
				QC 2 - 69	
				QC 2 - 76	
				QC 2 - 86	
				QC 2 - 83	
130	QC 8	8	8/13/20	0.00 0.00	QC 8 - 12
		pcs			QC 8 - 14
					QC 8 - 17
					QC 8 - 20
					QC 8 - 25
					QC 8 - 3
					QC 8 - 32
					QC 8 - 33
					QC 8 - 35
					QC 8 - 39
					QC 8 - 4
					QC 8 - 44
					QC 8 - 45
					QC 8 - 49
					QC 8 - 58
					QC 8 - 8
					QC 8 - 9
					QC 8 - 68
					QC 8 - 67
					QC 8 - 1 (A)
					QC 8 - 47
					QC 8 - 40
					QC 8 - 52
					QC 8 - 23
					QC 8 - 57
					QC 8 - 76
					QC 8 - 61
					QC 8 - 66
					QC 8 - 73
					QC 8 - 82
140	Handfinish - 1-1 Chemical-B4B	8	8/13/20	0.00 1.00	Handfinish - 1 - 1 - B4B
		pcs			Handfinish - 1 - 2 - B4B
					Handfinish - 1 - 3 - B4B
					Handfinish - 1 - 4 - B4B
					Handfinish - 1 - 5 - B4B
					Handfinish - 1 - 6 - B4B
					Handfinish - 1 - 7 - B4B
					Handfinish - 1 - 8 - B4B
					Handfinish - 1 - 9 - B4B
					Handfinish - 1 - 10 - B4B
					Handfinish - 1 - 11 -

				B4B	
				Handfinish - 1 - 12 - B4B	
				Handfinish - 1 - 13 - B4B	
				Handfinish - 1 - 14 - B4B	
				Handfinish - 1 - 15 - B4B	
				Handfinish - 1 - 16 - B4B	
				Handfinish - 1 - 17 - B4B	
				Handfinish - 1 - 18 - B4B	
				Handfinish - 1 - 19 - B4B	
				Handfinish - 1 - 20 - B4B	
				Handfinish - 1 - 21 - B4B	
				Handfinish - 1 - 22 - B4B	
150	Powdercoat - 1 White GI(A)- B4B	8 pcs	8/14/20	0.00 0.31	Powdercoat - 1 - B4B
					Powdercoat - 2 - B4B
					Powdercoat - 3 - B4B
					Powdercoat - 4 - B4B
					Powdercoat - 5 - B4B
					Powdercoat - 6 - B4B
					Powdercoat - 7 - B4B
					Powdercoat - 8 - B4B
					Powdercoat - 9 - B4B
					Powdercoat - 10 - B4B
160	QC 3	8 pcs	8/14/20	0.00 0.00	QC 3 - 10
					QC 3 - 13
					QC 3 - 15
					QC 3 - 17
					QC 3 - 18
					QC 3 - 2
					QC 3 - 28
					QC 3 - 3
					QC 3 - 30
					QC 3 - 34
					QC 3 - 36
					QC 3 - 41
					QC 3 - 51
					QC 3 - 58
					QC 3 - 59
					QC 3 - 68
					QC 3 - 9
					QC 3 - 40
					QC 3 - 19
					QC 3 - 43
					QC 3 - 24
					QC 3 - 61
					QC 3 - 81
					QC 3 - 82
					QC 3 - 87
170	Packaging 3-1 - Stock - B4B	8 pcs	8/14/20	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B

W 20/09/14

20-09-16

DAS
81
9-89

SEP 16 2020

DAS
80
9-89

SEP 17 2020

				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				Packaging 3 - 37 - B4B	
180 QC 21 - SA	8 pcs	8/14/20	0.00 0.00	QC 21 - SA - 21	DAS
				QC 21 - SA - 70	28
				QC 21 - SA - 9	9-89
				QC 21 - SA - 77	SEP 10 2020

Part Op 100 - (HAAS CNC vertical machine #1) Program Batch No. 5296131
 Descriptions: 110 - (Manufacture as per dwg) Machine keyway as per dwg D2573 & D2574
 120 - QC2- Inspect parts off machine FAI/FAIB
 130 - (QC8- Inspect parts - second check)
 140 - (Chemical Conversion Coat per QSI005 4.1)
 150 - (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum) START TIME: _____
 160 - (QC3- Inspect Part Finish)
 170 - (Identify as per dwg & Stock Location: _____)
 180 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D6101-007	Saddle Billet	8 pcs (1 ea)	90-Machining - Issue SN	5295041X3 5292137X5

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Machining - Issue SN	D6101-007	8	8	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Saddle, Aft Outboard	0.438Inches + 0.005	0.443		

			- 0.000	0.438
2	Saddle, Aft Outboard	1.745Inches	+ 0.010 - 0.000	1.755 1.745
3	Saddle, Aft Outboard	3.495Inches	+ 0.010 - 0.000	3.505 3.495
4	Saddle, Aft Outboard	1.745Inches	+ 0.010 - 0.000	1.755 1.745
5	Saddle, Aft Outboard	7.990Inches	+ 0.020 - 0.000	8.010 7.990
6	Saddle, Aft Outboard	0.490Inches	+ 0.020 - 0.000	0.510 0.490
7	Saddle, Aft Outboard	0.257Inches	+ 0.005 - 0.000	0.262 0.257
8	Saddle, Aft Outboard	0.375Inches	+ 0.005 - 0.000	0.380 0.375
9	Saddle, Aft Outboard	0.490Inches	+ 0.020 - 0.000	0.510 0.490
10	Saddle, Aft Outboard	1.174Inches	+ 0.010 - 0.000	1.184 1.174
11	Saddle, Aft Outboard	0.558Inches	+ 0.020 - 0.000	0.578 0.558
12	Saddle, Aft Outboard	1.174Inches	+ 0.010 - 0.000	1.184 1.174
13	Saddle, Aft Outboard	1.365Inches	+ 0.010 - 0.000	1.375 1.365
14	Saddle, Aft Outboard	2.495Inches	+ 0.010 - 0.000	2.505 2.495
15	Saddle, Aft Outboard	4.119Inches	+ 0.010 - 0.000	4.129 4.119
16	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
17	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
18	Saddle, Aft Outboard	0.240Inches	+ 0.020 - 0.000	0.260 0.240
19	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
20	Saddle, Aft Outboard	0.178Inches	+ 0.020 - 0.000	0.198 0.178
21	Saddle, Aft Outboard	3.210Inches	+ 0.040 - 0.000	3.250 3.210
22	Saddle, Aft Outboard	0.230Inches	+ 0.020 - 0.000	0.250 0.230
23	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
24	Saddle, Aft Outboard	0.308Inches	+ 0.005 - 0.000	0.313 0.308
25	Saddle, Aft Outboard	0.760Inches	+ 0.005 - 0.000	0.765 0.760
26	Saddle, Aft Outboard	0.352Inches	+ 0.020 - 0.000	0.372 0.352
27	Saddle, Aft Outboard	0.470Inches	+ 0.060 - 0.000	0.530 0.470
28	Saddle, Aft Outboard	0.615Inches	+ 0.020 - 0.000	0.635 0.615
29	Saddle, Aft Outboard	0.053Inches	+ 0.020 - 0.000	0.073 0.053
30	Saddle, Aft Outboard	0.240Inches	+ 0.020 - 0.000	0.260 0.240
31	Saddle, Aft Outboard	1.500Inches	+ 0.020 - 0.000	1.520 1.500
32	Saddle, Aft Outboard	0.115Inches	+ 0.020 - 0.000	0.135 0.115
33	Saddle, Aft Outboard	0.240Inches	+ 0.040 - 0.000	0.280 0.240

7/17/2020

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

34	Saddle, Aft Outboard	0.240Inches	+ 0.020	0.260
			- 0.000	0.240
35	Saddle, Aft Outboard	2.000Inches	+ 0.020	2.020
			- 0.000	2.000
36	Saddle, Aft Outboard	0.023Inches	+ 0.020	0.043
			- 0.000	0.023

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DART AEROSPACE LTD	Work Order: 211488
Description: Saddle, Aft Outboard	Part Number: D2573
Inspection Dwg: D2573 Rev. F	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				1	2	3	4		
A	0.438	0.443		0.438	0.438	0.438	0.438		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.002	8.002	8.004	8.004		
F	0.490	0.510		0.502	0.501	0.501	0.501		
G	0.257	0.262		0.258	0.258	0.258	0.258		
H	0.375	0.380		0.375	0.376	0.376	0.376		
I	0.490	0.510		0.500	0.500	0.501	0.500		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		0.569	0.568	0.569	0.568		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.365	1.375		1.370	1.370	1.370	1.370		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	4.119	4.129		4.124	4.124	4.124	4.124		
P	0.115	0.135		0.130	0.133	0.133	0.133		
Q	0.115	0.135		0.126	0.1265	0.1265	0.127		
R	0.240	0.260		0.252	0.252	0.253	0.253		
S	0.115	0.135		0.132	0.128	0.127	0.129		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.230	3.230	3.230	3.230		
V	0.230	0.250		0.243	0.242	0.243	0.243		
W	0.115	0.135		0.132	0.130	0.128	0.130		
X	0.308	0.313		0.311	0.310	0.309	0.3105		
Y	0.760	0.765		0.760	0.760	0.760	0.760		
Z	0.352	0.372		0.368	0.361	0.361	0.361		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.625	0.625	0.625	0.625		
AC	0.053	0.073		0.060	0.055	0.058	0.060		
AD	0.240	0.260		0.254	0.254	0.251	0.251		
AE	1.500	1.520		1.510	1.510	1.510	1.510		
AF	0.115	0.135		0.130	0.130	0.130	0.130		
AG	0.240	0.280		0.265	0.265	0.265	0.265		
AH	0.240	0.260		0.254	0.252	0.252	0.254		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		

Accept/Reject

Measured by: 52	Audited by: JKL
Date: 20-08-27	Date: 20/09/09

Rev	Date	Change	Revised by	Approved
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	
F	13.03.07	Dwg Rev updated	KJ	

DART AEROSPACE LTD	Work Order: 211488
Description: Saddle, Aft Outboard	Part Number: D2573
Inspection Dwg: D2573 Rev. F	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				5	6	7	8		
A	0.438	0.443		0.438	0.438	0.438	0.438		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.004	8.004	8.004	8.004		
F	0.490	0.510		0.501	0.501	0.501	0.502		
G	0.257	0.262		0.258	0.258	0.258	0.258		
H	0.375	0.380		0.376	0.376	0.376	0.376		
I	0.490	0.510		0.501	0.501	0.501	0.501		
J	1.174	1.184		1.179	1.179	1.179	1.179		
K	0.558	0.578		0.569	0.569	0.569	0.569		
L	1.174	1.184		1.179	1.179	1.179	1.179		
M	1.365	1.375		1.370	1.370	1.370	1.370		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	4.119	4.129		4.124	4.124	4.124	4.124		
P	0.115	0.135		0.130	0.130	0.130	0.130		
Q	0.115	0.135		0.127	0.127	0.127	0.127		
R	0.240	0.260		0.2525	0.253	0.252	0.252		
S	0.115	0.135		0.129	0.129	0.128	0.128		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.230	3.230	3.230	3.230		
V	0.230	0.250		0.243	0.243	0.242	0.242		
W	0.115	0.135		0.130	0.130	0.129	0.129		
X	0.308	0.313		0.310	0.310	0.310	0.310		
Y	0.760	0.765		0.760	0.760	0.760	0.760		
Z	0.352	0.372		0.360	0.360	0.360	0.361		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.625	0.625	0.625	0.625		
AC	0.053	0.073		0.060	0.060	0.060	0.060		
AD	0.240	0.260		0.251	0.251	0.251	0.250		
AE	1.500	1.520		1.510	1.510	1.510	1.510		
AF	0.115	0.135		0.130	0.130	0.130	0.130		
AG	0.240	0.280		0.270	0.270	0.270	0.270		
AH	0.240	0.260		0.250	0.250	0.250	0.250		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.033	0.033	0.033	0.033		
Accept/Reject									

Measured by: JIP
Date: 20-08-27

Audited by: JIP
Date: 20/09/09

Rev	Date	Change	Revised by	Approved
B	02.09.26	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	
F	13.03.07	Dwg Rev updated	KJ	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					